

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.8.a 8 O’Clock (PEER 17) Critical Device & Permit Link Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.8		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Approved: Signature on File
 Collider-Accelerator Department Chairman _____ Date _____

V. Castillo

4.120.8.a 8 O’Clock (PEER 17) Critical Device & Permit Link Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title: _____ Checksum: _____

Division B Software Filename and Checksum: Title: _____ Checksum: _____

Initial testing complete:

Test Team Leader’s Name (Print): _____ Life Number: _____

Test Team Leader’s Name (Sign): _____ Date: ____/____/____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader’s Name (Print): _____ Life Number: _____

Test Team Leader’s Name (Sign): _____ Date: ____/____/____

Test results reviewed by:

Safety Section Head’s Name (Print): _____ Life Number: _____

Safety Section Head’s Name (Sign): _____ Date: ____/____/____

Test results accepted by Radiation Safety Committee:

RSC Member’s Name (Print): _____ Life Number: _____

RSC Member’s Name (Sign): _____ Date: ____/____/____

1.1 Setup and test of Critical Devices and Permit Link response to a loss of PASS enable

<input type="checkbox"/>	SET	CD Key switch for	XY ARC
<input type="checkbox"/>	VERIFY	CD Key switch is set for	XY ARC
<input type="checkbox"/>	PLACE	Peer 17 in Mode 8	
<input type="checkbox"/>	VERIFY	Peer 17 is in Restricted Access	MODE 8
<input type="checkbox"/>	VERIFY	MCR sees RHIC Inj. CD on CD page	DISABLED
<input type="checkbox"/>	VERIFY	MCR sees RHIC Injn inhibit Div A <input type="checkbox"/> and Div B <input type="checkbox"/>	ON
<input type="checkbox"/>	VERIFY	MCR sees RHIC ring CD, (B/S 1,2, & 3) on CD page	DISABLED
<input type="checkbox"/>	VERIFY	MCR sees RHIC ring inhibit Div A <input type="checkbox"/> and Div B <input type="checkbox"/> (BS 1&2)	ON
<input type="checkbox"/>	VERIFY	MCR sees RHIC Reachback latch Div A <input type="checkbox"/> and Div B <input type="checkbox"/> (BS3)	OFF
<input type="checkbox"/>	VERIFY	MCR sees RHIC Permit Link Div A <input type="checkbox"/> and Div B <input type="checkbox"/>	DISABLED
<input type="checkbox"/>	PLACE	Peer 17 in Mode 16	
<input type="checkbox"/>	VERIFY	Peer 17 is in Controlled Access	MODE 16
<input type="checkbox"/>	VERIFY	Peer 17 gates: 9GS1 and Plug Door	CLOSED
	RESET	Peer 17 gates: 7GS1, 7EL1, 7GE1, 7MD1, 8GE2, 8MD1, 8EL1, and 8ED2	
<input type="checkbox"/>	VERIFY	Peer 17 gates: <input type="checkbox"/> 7GS1, <input type="checkbox"/> 7EL1, <input type="checkbox"/> 7GE1, <input type="checkbox"/> 7MD1, <input type="checkbox"/> 8GE2, <input type="checkbox"/> 8MD1, <input type="checkbox"/> 8EL1, and <input type="checkbox"/> 8ED2 are	RESET
<input type="checkbox"/>	SWEEP	Peer 17 Zones: 7Z1, 8Z1, 8Z2	
<input type="checkbox"/>	VERIFY	Peer 17 Zones: <input type="checkbox"/> 7Z1, <input type="checkbox"/> 8Z1, <input type="checkbox"/> 8Z2 are	SWEPT
<input type="checkbox"/>	PLACE	Peer 17 in Mode 24	
<input type="checkbox"/>	VERIFY	Peer 17 is in No Access	MODE 24
<input type="checkbox"/>	VERIFY	MCR sees RHIC Inj. CD on CD page	DISABLED
<input type="checkbox"/>	VERIFY	MCR sees RHIC Injn CD inhibit Div A <input type="checkbox"/> and Div B <input type="checkbox"/>	OFF
<input type="checkbox"/>	SET	RHIC Primary Beamstop command	OUT
<input type="checkbox"/>	VERIFY	RHIC Primary Beamstop command is	OUT
<input type="checkbox"/>	VERIFY	MCR sees RHIC ring CD, (B/S 1,2, & 3)	DISABLED
<input type="checkbox"/>	VERIFY	MCR sees RHIC ring inhibit Div A <input type="checkbox"/> and Div B <input type="checkbox"/> (BS 1&2)	OFF
<input type="checkbox"/>	VERIFY	MCR sees RHIC Reachback latch inhibit Div A <input type="checkbox"/> and Div B <input type="checkbox"/> (BS3)	OFF
<input type="checkbox"/>	VERIFY	MCR sees RHIC Permit Link Div A <input type="checkbox"/> and Div B <input type="checkbox"/>	ENABLED
	TURN	Any key in the RHIC Key Tree	
<input type="checkbox"/>	VERIFY	MCR sees Peer 17 go to	MODE 2
<input type="checkbox"/>	VERIFY	MCR sees RHIC Inj. CD on CD page	DISABLED
<input type="checkbox"/>	VERIFY	MCR sees RHIC Injn inhibit Div A <input type="checkbox"/> and Div B <input type="checkbox"/>	ON
<input type="checkbox"/>	VERIFY	MCR sees RHIC ring CD, (B/S 1,2, & 3) on CD page	DISABLED
<input type="checkbox"/>	VERIFY	MCR sees RHIC ring inhibit Div A <input type="checkbox"/> and Div B <input type="checkbox"/> (BS 1&2)	ON
<input type="checkbox"/>	VERIFY	MCR sees RHIC Reachback latch Div A <input type="checkbox"/> and Div B <input type="checkbox"/> (BS3)	OFF

- ☐ **VERIFY** **MCR sees RHIC Permit Link Div A ☐ and Div B ☐** **DISABLED**
- ☐ **PLACE** **Peer 17 in Mode 8**
- ☐ **VERIFY** **Peer 17 is in Restricted Access** **MODE 8**
- ☐ **Check for acceptance of Setup and test of Critical Devices and Permit Link response to a loss of PASS enable**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____